

For Research Use Only

# CoraLite® Plus 647-conjugated Cytokeratin 19 Polyclonal antibody



Catalog Number: CL647-14965

Featured Product

## Basic Information

<b>Catalog Number:</b> CL647-14965	<b>GenBank Accession Number:</b> BC002539	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3880	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Source:</b> Rabbit	<b>Full Name:</b> keratin 19	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 44 kDa	
<b>Immunogen Catalog Number:</b> AG6830	<b>Observed MW:</b> 40 kDa, 46 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse, rat

## Background Information

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins, including K9-K23, and the hair keratins Ha1-Ha8. Type II keratins are the basic or neutral counterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. KRT19, one of type I keratins, is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. Due to its high sensitivity, KRT19 is the most used marker for detection of tumor cells disseminated in lymph nodes, peripheral blood, and bone marrow of breast cancer patients. This antibody, generated against full length KRT19 protein, also recognizes KRT17, another type I keratin homologous to KRT19.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

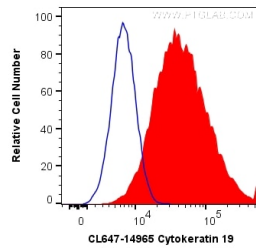
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com) W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug Coralite® Plus 647 Anti-Human Cytokeratin 19 (CL647-14965) (red), or 0.2 ug CL647-30000 Rabbit IgG (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).